

5.a. APERC President's Report

The 69th Meeting of APEC Energy Working Group (EWG69)
26-27 February 2025 – Gyeongju, Republic of Korea

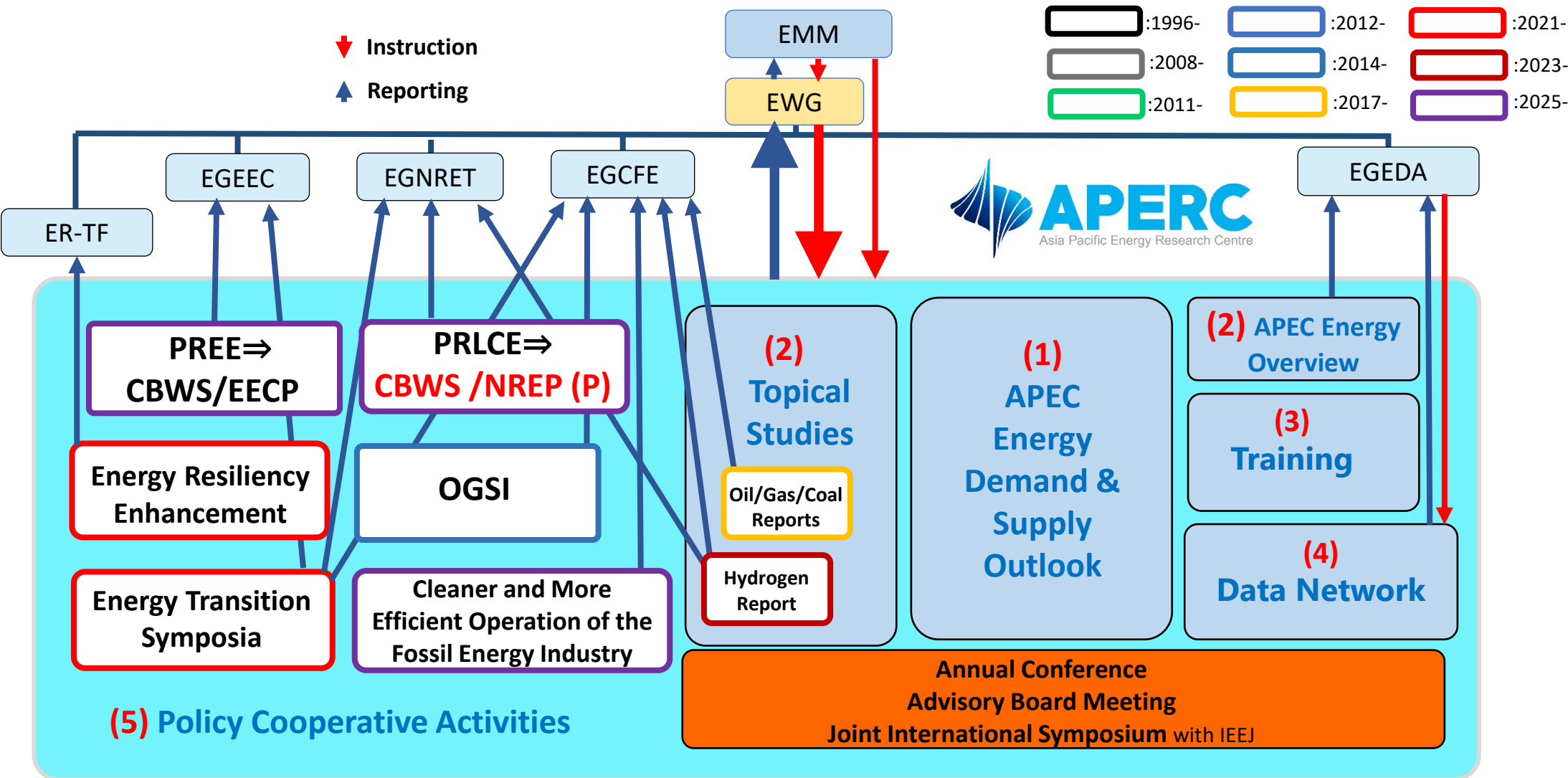
Kazutomo IRIE, PhD
President, APERC



Outline

1. APERC Activities Overview
2. Research Activities
3. Training
4. Data Management
5. Policy Cooperative Activities
6. Management Issues

1.a. APERC Activities Overview



1.b. APERC Tasks and Activities

- Continue to meet the current acute needs of APEC member economies by choosing appropriate [research themes](#) including preparation for [the 9th Edition of APEC Energy Demand and Supply \(D/S\) Outlook](#) <TOR (1)(2)>
- Accept [trainees and dispatch experts](#) through listening to needs of each economy * <TOR(3)>
- Explore win-win collaboration between APEC D/S Outlook exercise and [APEC energy data network](#) <TOR(4)>
- Directly assist APEC member economies with [Policy Cooperative Activities](#) <TOR(5)>
 - to achieve APEC's aggregate [energy intensity reduction goal of 45%](#) by 2035, [goal of doubling the share of renewables](#) by 2030, and encourage efforts to efforts to [triple global renewable energy capacity](#) by 2030
 - to strengthen efforts into [oil and gas security](#) and continue to promote dissemination of [low-carbon town development](#)
 - to promote decarbonization towards [carbon neutrality](#) in the APEC region

2.a. APEC Energy Demand and Supply Outlook

- The [APEC Energy Demand and Supply Outlook](#) project is a priority task for APERC under the APEC Energy Action Programme adopted by leaders in 1995.
- The Outlook provides quantitative analyses and policy insights on projected trends for energy demand and supply in APEC economies for the coming several decades.
- APERC has produced eight editions of the APEC Energy Demand and Supply Outlook.
- The [modelling tools developed for the Outlook](#) are used for training activities in APEC economies.
- APERC researchers are now finalizing the results for **the 9th Edition Outlook** to be published in October 2025. Two scenarios ([Reference Scenario](#) and [Target Scenario](#)) are modeled, with projections now extending to [2060](#).
- Modelling for all economies (including revisions/amendments) is anticipated to be complete by February 2025.

2.b. APEC Energy Overview

- The '[APEC Energy Overview](#)' series started in 2000 with the approval of EWG19, in order to help policymakers to share useful information and deepen understanding on energy issues in the APEC region.
- The Overview is an annual publication, which contains updated energy demand/supply data as well as descriptions of energy policy and '[Notable Energy Developments](#)'.
- Progress of [APEC goals on energy intensity and renewable share](#) has been tracked and analysed each year. The economy's respective energy transition programs were likewise regularly discussed.
- The [APEC Energy Overview 2024](#) was endorsed by EWG in July 2024 and was published in both APEC and APERC Websites in August 2024.
- APERC has started the compilation of [the APEC Energy Overview 2025](#).

2.c. Topical Studies

- Along with the Outlook and the Overview, APERC has been conducting research on topics relevant to energy issues and policies in the APEC region.
- Studies focusing on fossil fuels (coal, oil and natural gas) to support the [Expert Group on Clean Fossil Energy \(EGCFE\)](#) have been published since 2017.
- In addition, a study focusing on hydrogen to support both [EGCFE](#) and the [Expert Group on New and Renewable Energy Technologies \(EGNRET\)](#) started in 2023.
 - APERC has begun preparation of the **four APERC Fossil Fuel Reports 2024**.
- Each researcher pursues research topics based on his/her research interest within the scope of energy economics and energy policy of the APEC region.

3. Training

- APERC accepts energy modelling **trainees** from developing economies.
 - APERC will organize the **31st Seminar on Energy Modelling** in March 2025 in Tokyo.
- APERC also **dispatches experts** to help develop energy data and prepare energy demand and supply outlooks while enhancing the 'energy literacy' of future leaders in the APEC region.
 - APERC dispatched experts to **Thailand** for a training course on end-use energy modeling and the LEAP software in January 2025.
- The **cooperation course** on "**Energy Future of the Asia-Pacific Region**" at Kyoto University Graduate School of Energy Science for the school year 2024-2025, finished in January 2025.

4. Energy Data Management Networks

- The **EGEDA Training Program** on Energy Statistics
 - The **short-term-course on energy statistics** was held in Tokyo from **10 to 21 February 2025**.
- The **23rd APEC Workshop on Energy Statistics** will be held in September 2025. The topic of the workshop will be the preparation of instruments for end-use energy consumption surveys and will include:
 - Discussion on sampling methodologies
 - Preparation of survey questionnaire and enumerators' manual
 - Discussion on the conduct of a pilot survey

5.a. PREE, PRLCE

❑ Peer Review on Energy Efficiency (PREE)

- **Follow-up PREE in Chile** was conducted from 6 to 10 May 2024. The Follow-up PREE in Chile Summary Report was endorsed by EWG and published in January 2025.
- The **8th EEP workshop** was held in conjunction with the 63rd EGEEC meeting in Tianjin, China, on 5 November 2024. The theme of this workshop was “Energy Management: Standards, Policies, and Best Practices.”
- To succeed PREE activities, APERC plans to hold **Capacity-Building Workshops for Energy Efficiency and Conservation Policy (CBWS/EECP)** in conjunction with the EGEEC biannual meetings from 2025 onward.

❑ Peer Review on Low Carbon Energy Policies (PRLCE)

- The **7th PRLCE for Peru** focused on energy efficiency policies development and deployment, buildings, electromobility, and district energy systems, among others, was held from 5 to 7 December 2023. The Summary Report was endorsed by the EWG and published in September 2024.
- To succeed PRLCE activities, APERC is considering holding **Capacity-Building Workshops for New and Renewable Energy Policy (CBWS/NREP)** in conjunction with the EGNRET biannual meetings from 2025/2026 onward.

5.b. Oil and Gas Security Initiative (OGSI)

❑ Oil and Gas Security Exercise (OGSE)

- The **6th OGSE in Indonesia** was held from 3 to 6 February 2025 in Bali, Indonesia. The drafting of the summary report is ongoing.

❑ Oil and Gas Security Network (OGSN)

- The **8th OGSN Forum** will be held in Hong Kong, China, on 8 April 2025.
- The 61st **OGS Newsletter** was issued in December 2024. Preparation for the **62nd issue** is ongoing and will be published by the end of **February 2025**.

❑ Oil and Gas Security Studies (OGSS)

- The final report of the **20th OGSS** was presented at the EWG 68 meeting and is planned to be published on the APEC and APERC websites in the 1Q 2025.
- The **21st OGSS** study themed "**The Energy Security Implications of Declining LNG Investment**" is currently being carried out. The key issues and preliminary findings of the study will be presented during the upcoming 8th OGSN Forum in Hong Kong, China on 8 April 2025.
- The topic of "**The Implications of Underinvestment in Upstream Oil Sector Chain to Oil Supply Security of APEC**" will be considered for the **22nd OGSS**.

5.c. Energy Resiliency

❑ Energy Resiliency Enhancement Project

- APERC continued to support Japan's Ministry of Economy, Trade and Industry (METI) for APEC Energy Resiliency Enhancement Project, which includes
 - 1) evaluating energy resiliency indicators,
 - 2) creating sectoral guidelines for energy infrastructure companies, and
 - 3) holding a workshop for capacity building.
- The sectoral guidelines and the project summary report were endorsed in May 2024.

5.d. Energy Transition

❑ Series of Sectoral Symposia on Energy Transition

- APERC organized the APEC Symposium on the **Holistic Approach** of Decarbonization towards Carbon Neutrality online in August 2021.
- The symposium emphasized not only renewable energy but also other various measures, including energy efficiency and conservation; hydrogen/ammonia; carbon capture, utilization and storage (CCUS); and nuclear energy can be mobilized.
- APERC has planned to follow up the symposium by holding **a series of sectoral symposia** related to decarbonization for the energy transition.
- The first sectoral **Symposium on Decarbonizing Fossil Fuels** was held in Kobe, Japan from 11 to 12 October 2023. The second sectoral **Symposium on Promoting Energy Efficiency and Energy Management System** was held in Tokyo from 23 to 24 January 2024.
- The key highlights of the 2 symposia were presented at **APEC Energy Transition Workshop** in Nanjing, China, on 20 May 2024, in conjunction with EGEEC 62 & EGCFE 2024 Joint Meeting.
- The third **Symposium on Bioenergy** was co-organized with Ministry of Energy, Thailand, in Khon Kaen, Thailand from 3 to 4 December 2024.

5.e. APEC Workshop on Cleaner and More Efficient Operation of the Fossil Energy Industry

- The project proposal for the **APEC Workshop on Cleaner and More Efficient Operation of the Fossil Energy Industry** was endorsed in October 2024.
- The capacity building workshop will provide fundamental technical knowledge to policymakers and relevant officials in APEC economies in order to identify feasible solutions and advice regarding:
 - 1) electrification in the fossil energy industry,
 - 2) integration of zero and low-carbon energy in the fossil energy industry,
 - 3) energy and fuel efficiency measures, and
 - 4) the benefits of the associated emissions savings.
- The concrete plan will be discussed in Hong Kong, China, in April 2025 in conjunction with the Joint Meeting of the four Expert Groups. The Workshop will be held in Japan in late 2025.

6.a. APERC Research Staff

APERC has 27 research staff *16 visiting researchers

(as of 17 February 2025)

- Kazutomo IRIE (President)
- Glen SWEETNAM (Senior Vice President)*
- Munehisa YAMASHIRO (Vice President/General Manager)
- Yoshiaki IMAIZUMI (Deputy General Manager)
- Edito BARCELONA
- Thanan MARUKATAT*
- Elvira Torres GELINDON
- Alexander Konstantinovich IZHBULDIN*
- Manuel Antonio HEREDIA MUNOZ*
- PHUNG Quoc Huy*
- Juniko Parlinggoman PARHUSIP*
- Mohd Shah Hambali Bin ARIFIN*
- Jungyoon KIM*
- Nobuhiro SAWAMURA
- Muhammad Nabih Fahkri MATUSSIN*
- Rodrigo MARTINEZ PICAZO*
- Leanne Nicole SARGENT*
- Yasmin FOULADI*
- Daniel Victor BURLUTSKY*
- Yishan ZHENG*
- Shi-Tin JHOU*
- Risa PANCHO
- Finbar Barton MAUNSELL*
- Hyuga KASAI
- Takako HANNON
- Ikuno YAMAGUCHI
- Tomomi OGURO

6.b. APERC Budget

Unit: million yen

Fiscal Year	1996 9mns	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Revenue from: Japanese Government Australian Government	374	626	681	729	619	634	594	547	525 8	528 8	498 8	446	447	418	409
Total of Revenue	374	626	681	729	619	634	594	547	533	536	506	446	447	418	409
Expenses:															
Energy Efficiency/APEC Energy Demand & Supply Outlook/ Related Research Programmes Oil & Gas Security	227	443	494	550	455	469	434	390	379	377	377	338	339	318	315
Energy Data Network & Know-How Transfer	147	183	187	179	164	165	160	157	154	159	129	108	107	100	94
Total of Expenses	374	626	681	729	619	634	594	547	533	536	506	446	447	418	409
Fiscal Year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
Revenue from: Japanese Government	425	494	580	657	653	689	672	672	672	672	672	672	672	556	
Total of Revenue	425	494	580	657	653	689	672	672	672	672	672	672	672	556	
Expenses:															
Energy Efficiency/APEC Energy Demand & Supply Outlook/ Related Research Programmes Oil & Gas Security	308	325	325	432	501	522	423	388	406	338	330	474	492	421	
			107	68	183	124	161	119	100	59	43	224	263	175	
Energy Data Network & Know-How Transfer	94	86	68	100	97	91	86	73	44	40	90	90	82	79	
Total of Expenses	402	411	500	600	781	737	670	580	550	437	463	788	837	675	

Thank you.

<https://aperc.or.jp>

